Production - Natural Gas STAR Annual Report -

Company Information

Company Name: **Apache Corporation**

Gas STAR Contact: **C.J. Doiron**

Title **Senior Environmental Advisor**

Address: **2000 Post Oak Blvd.**

Suite 100

City: **Houston**

State: **TX**

Zip: **77056-4400**

Phone: **(713) 296-6589**

Fax: **(713) 296-6917**

E-mail: **CJ.Doiron@apachecorp.com**

Company Information Updated: Yes

Activities Reported

BMP1: Yes BMP2: No BMP3: Yes

Total Methane Emission Reductions Reported This Year: 22,171

Previous Years' Activities Reported: **No**

Period Covered by Report

From: **01/01/2007** To: **12/31/2007**

Additional Comments

6/16/08 - Sent to Eddie for data entry

6/23/08 - QA/QC DF

6/19/08 - Eddie entered into ISTAR

BMP1: Identify and Replace High-Bleed Pneumatic Devices

Current Year Activities

A. Facility/location identifier information:

Sealy Smith Battery

B. Facility Summary

Number of devices replaced this reporting period: **15 devices**
Percent of system now equipped with low/no-bleed units: **100 %**

C. Cost Summary

Estimated cost per replacement (including equipment and labor): **$ 650**

D. Methane Emissions Reduction

Method Used: **Standard Calculation**
Data Source: **Field measurement**
Methane Emissions Reduction: **1,826 Mcf/year**

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

One-year ✓ Multi-year

If Multi-year: ✓ Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration (BMP 1 has a sunset period of 7 years).

Partner will report this activity annually up to allowed sunset date.

F. Total Value of Gas Saved

Value of Gas Saved: **$ 14,608**
$ / Mcf used: **$ 8.00**

G. Planned Future Activities

Number of high-bleed devices to be replicated next year: **20 devices**

Previous Years' Activities

Year	Number of Devices	Total Cost * ($)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved ($)

* Total cost of replacements (including equipment and labor)

Additional Comments

BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

EI 189 and MP 311A

entered as: Other 2

Recover Gas from Separators?

B. Description of PRO

Please specify the technology or practice that was implemented:

Capture glycol pump and heater/treater flash gas

Please describe how your company implemented this PRO:

Flash gas from units were captured and piped to the facility compressor for fuel or routed to the facility VRU.

C. Level of Implementation

Frequency of activity or practice: **1 times/year**

Get more information
- what's process for removing the flash gas? * ? Install flash gas compressor

D. Methane Emissions Reduction

Methane Emissions Reduction: **20,038 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

✓ One-year Multi-year

If Multi-year:

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

Sent email to JM 7/16/08 requesting more info to categorize properly

F. Cost Summary
Estimated cost of implementing the PRO (including equipment and labor): **$ 7,500**

G. Total Value of Gas Saved
Value of Gas Saved: **$ 160,304**
$ / Mcf used: **$ 8.00**

H. Planned Future Activities
To what extent do you expect to implement this PRO next year?: **Four other opportunities have been identified for 2008.**

Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * ($)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved ($)

* Total cost of practice/activity (including equipment and labor)

Additional Comments

BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

El Reno & N. Appleby

B. Description of PRO

Please specify the technology or practice that was implemented:

Eliminate unnecessary equipment and/or systems

Please describe how your company implemented this PRO:

Consolidation of compression facilities reduced number of compressors, horsepower required and emissions.

C. Level of Implementation

Number of units installed: **5 units**

D. Methane Emissions Reduction

Methane Emissions Reduction: **307 Mcf/year**

Basis for the emissions reduction estimate: **Calculation using manufacturer specifications**

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

✓ One-year Multi-year

If Multi-year:

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

F. Cost Summary
Estimated cost of implementing the PRO (including equipment and labor): **$ 8,000**

G. Total Value of Gas Saved
Value of Gas Saved: **$ 2,149**
$ / Mcf used: **$ 7.00**

H. Planned Future Activities
To what extent do you expect to implement this PRO next year?: **Seveal opportunities have been identified to repeat this process in 2008**

Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * ($)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved ($)

* Total cost of practice/activity (including equipment and labor)

Additional Comments

Apache Corporation
Additional Accomplishments